

1 1/2	.4828	1.642	.1368	1.511	.1259	1.691	.1410
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CREASE HERE

AREAS AND WEIGHTS OF FILLETS.—II.

Radius R.	Area	Weight of Steel		Weight of Cast Iron		Weight of Cast Brass	
		per foot	per inch	per foot	per inch	per foot	per inch
1 5/8	.5668	1.930	.1608	1.776	.1479	1.988	.1657
1 3/4	.6572	2.235	.1862	2.056	.1713	2.302	.1920
1 7/8	.7545	2.565	.2137	2.360	.1970	2.642	.2202
2	.8585	2.917	.2431	2.684	.2237	3.005	.2504
2 1/8	.9692	3.292	.2743	3.029	.2502	3.391	.2826
2 1/4	1.086	3.695	.3079	3.399	.2832	3.806	.3172
2 3/8	1.210	4.115	.3429	3.786	.3155	4.238	.3532
2 1/2	1.341	4.560	.3800	4.195	.3496	4.697	.3914
2 5/8	1.478	5.030	.4192	4.628	.3857	5.181	.4317
2 3/4	1.623	5.507	.4589	5.066	.4222	5.672	.4727
2 7/8	1.774	6.027	.5022	5.545	.4621	6.208	.5017
3	1.931	6.565	.5471	5.940	.4950	6.762	.5355
3 1/8	2.096	7.125	.5937	6.555	.5462	7.339	.5816
3 1/4	2.267	7.700	.6417	7.084	.5903	7.931	.6309
3 3/8	2.444	8.300	.6917	7.636	.6363	8.549	.6724
3 1/2	2.629	8.925	.7438	8.211	.6926	9.193	.7261
3 5/8	2.820	9.575	.7979	8.809	.7341	9.862	.7820
3 3/4	3.018	10.27	.8523	9.448	.7873	10.58	.8317
3 7/8	3.222	10.97	.9142	10.09	.8408	11.30	.8917
4	3.434	11.65	.9709	10.72	.8933	12.00	1.000
4 1/8	3.652	12.40	1.033	11.41	.9508	12.77	1.064
4 1/4	3.876	13.15	1.096	12.10	1.008	13.54	1.130
4 3/8	4.107	13.97	1.164	12.85	1.071	14.39	1.199
4 1/2	4.346	14.77	1.231	13.59	1.132	15.21	1.270
4 5/8	4.590	15.60	1.300	14.35	1.196	16.07	1.340
4 3/4	4.842	16.45	1.371	15.13	1.261	16.94	1.412
4 7/8	5.100	17.32	1.444	15.93	1.328	17.84	1.487
5	5.365	18.25	1.521	16.79	1.400	18.80	1.570

Contributed by Ernest J. Lees.

No. 59, Supplement to MACHINERY, July, 1906.

29"	184.04	186.54	188.15	189.76	191.38	193.00	194.64	196.27
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CREASE HERE

WEIGHTS OF CAST IRON CYLINDERS, 1 INCH THICK.—II.

Dia.	0	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"
30"	197.92	199.57	201.23	202.9	204.57	206.25	207.94	209.63
31"	211.34	213.04	214.76	216.48	217.21	219.94	221.68	223.43
32"	225.2	226.95	228.72	230.5	232.28	234.07	235.87	237.67
33"	239.48	241.3	243.13	244.96	246.79	248.64	250.49	252.35
34"	254.22	256.09	257.97	259.86	261.75	263.65	265.58	267.47
35"	269.39	271.32	273.25	275.19	277.14	279.10	281.06	283.03
36"	285.01	287	288.98	290.98	292.98	294.98	297.01	299.04
37"	301.06	303.1	305.14	307.19	309.25	311.3	313.39	315.48
38"	317.55	319.65	321.74	323.85	325.96	328.08	330.21	332.33
39"	334.49	336.65	338.79	340.96	343.12	345.3	347.47	349.66
40"	351.85	354.06	356.27	358.48	360.7	362.9	365.18	367.42
41"	369.68	371.93	374.19	376	378.74	382	384	386
42"	388.	390	392	395	397	399	402	405
43"	407	410	412	414	416	419	421	424
44"	426	428	430	433	435	438	441	444
45"	446	448	450	453	455	458	461	463
46"	465	468	471	473	475	477	480	483
47"	486	488	491	494	496	499	502	504
48"	506	509	511	514	516	519	522	525
49"	528	530	533	536	538	541	544	547
50"	549	552	556	559	561	563	566	569
51"	572	575	578	581	584	586	589	592
52"	595	598	601	603	606	609	612	615
53"	618	621	624	627	630	633	636	639
54"	642	645	648	651	654	657	660	663
55"	666	669	672	675	678	681	684	687
56"	690	693	696	699	702	705	709	712
57"	715	718	721	725	728	731	734	737
58"	740	743	746	749	752	756	759	763
59"	766	769	772	776	779	783	786	789
60"	791.6	795	798	802	805	809	813	816